

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A method of managing electronic devices comprising:  
providing a main server including software for managing network resources from a  
single point of administration;

wirelessly connecting a plurality of electronic devices to said main server to create a  
wireless local area network (LAN); and

managing said electronic devices using said software, wherein said electronic devices  
include at least one of an appliance, an environmental control device, and an entertainment  
device, wherein said step of managing said electronic devices comprises:

monitoring management initiating parameters and waiting for transaction  
requests from including a sensed parameter, for said electronic devices;

determining a management action to be performed on an electronic device to  
be managed based on a comparison of a monitored parameter of the electronic device  
with at least one stored predetermined value for at least one of said management  
initiating parameters, said management action being a predetermined action  
associated with the monitored parameter of the electronic device ~~changing a condition~~  
~~of the electronic device~~; and

transmitting a management action data packet to said electronic device to be  
managed in order to initiate the management action.

Claim 2 (Original): The method of Claim 1, wherein said step of providing a main  
server comprises providing one of a desktop computer and a portable computer as said main  
server.

Claim 3 (Original): The method of Claim 1, wherein said step of wirelessly connecting comprises:

wirelessly transmitting an identification request from said main server;  
wirelessly receiving a response from responding electronic devices within the wireless range of said main server; and  
maintaining said wireless LAN including the main server and the responding electronic devices.

Claim 4 (Original): The method of Claim 3, further comprising providing an adjustable transmission power for said main server thereby providing an adjustable signal area for said wireless LAN.

Claim 5 (Original): The method of Claim 3, further comprising periodically updating information on the electronic devices connected to said wireless LAN.

Claim 6 (Original): The method of Claim 5, further comprising adding and dropping electronic devices from said wireless LAN as necessary.

Claim 7 (Original): The method of Claim 3, wherein said step of maintaining said wireless LAN comprises using a media access control (MAC) protocol.

Claims 8-9 (Canceled).

Claim 10 (Previously Presented): The method of Claim 1, further comprising:

receiving said management action data packet at said electronic device to be managed; and

performing said management action at said electronic device to be managed based on said management action data packet.

Claim 11 (Original): The method of Claim 10, further comprising:  
generating a management action report at said electronic device to be managed;  
transmitting a report data packet including said management action report from said electronic device to be managed, said management action report containing information about whether said management action was completed by the electronic device to be managed.

Claim 12 (Original): The method of Claim 1, wherein said step of wirelessly connecting a plurality of electronic devices comprises wirelessly connecting at least one of an office equipment device and a mobile terminal device to said main server.

Claim 13 (Original): The method of Claim 1, wherein said step of creating a wireless LAN comprises creating a wireless home network.

Claim 14 (Original): The method of Claim 1, wherein said step of creating a wireless LAN comprises creating a wireless workplace network.

Claim 15 (Original): The method of Claim 1, wherein said step of wirelessly connecting said electronic devices comprises wirelessly connecting said electronic devices to said main server such that said electronic devices can share the software and hardware resources of the main server.

Claim 16 (Original): The method of Claim 1, further comprising providing Internet connectivity to said electronic devices through said main server.

Claim 17 (Currently Amended): A system for managing electronic devices comprising:

a main server including software for managing network resources from a single point of administration;

a communications device configured to wirelessly connect a plurality of electronic devices to said main server to create a wireless local area network (LAN);

a processor configured to manage said electronic devices using said software, wherein said electronic devices include at least one of an appliance, an environmental control device, and an entertainment device, wherein said processor manages said electronic devices by:

monitoring management initiating parameters and waiting for transaction requests from including a sensed parameter, for said electronic devices;

determining a management action to be performed on an electronic device to be managed based on a comparison of a monitored parameter of the electronic device with at least one stored predetermined value for at least one of said management initiating parameters, said management action being a predetermined action associated with the monitored parameter of the electronic device ~~changing a condition of the electronic device~~;

and

transmitting a management action data packet to said electronic device to be managed via said communications device in order to initiate the management action.

Claim 18 (Original): The system of Claim 17, wherein said main server comprises one of a desktop computer and a portable computer.

Claim 19 (Original): The system of Claim 18, wherein said communications device is configured to wirelessly connect by:

wirelessly transmitting an identification request from said main server;

wirelessly receiving a response from responding electronic devices within the wireless range of said main server; and

maintaining said wireless LAN including the main server and the responding electronic devices.

Claim 20 (Original): The system of Claim 19, further comprising a power adjustment device configured to adjust transmission power of the communications device thereby providing an adjustable signal area for said wireless LAN.

Claim 21 (Original): The system of Claim 19, further comprising a communications protocol configured to periodically update information on the electronic devices connected to said wireless LAN.

Claim 22 (Original): The system of Claim 21, wherein said communications protocol is configured to add and drop electronic devices from said wireless LAN as necessary.

Claim 23 (Original): The system of Claim 19, wherein said communications device is configured to maintain said wireless LAN by using a media access control (MAC) protocol.

Claims 24-25 (Canceled).

Claim 26 (Previously Presented): The system of Claim 17, further comprising:  
another communications device configured to receive said management action data packet at said electronic device to be managed; and  
another processor configured to perform said management action at said electronic device to be managed based on said management action data packet.

Claim 27 (Original): The system of Claim 26, wherein said another processor is further configured to:  
generate a management action report at said electronic device to be managed;  
transmit a report data packet including said management action report from said electronic device to be managed via said another communications device, said management action report containing information about whether said management action was completed by the electronic device to be managed.

Claim 28 (Original): The system of Claim 17, wherein said communications device is configured to wirelessly connect a plurality of electronic devices by wirelessly connecting at least one of an office equipment device and a mobile terminal device to said main server.

Claim 29 (Original): The system of Claim 17, wherein said communications device creates a wireless LAN by creating a wireless home network.

Claim 30 (Original): The system of Claim 17, wherein said communications device creates a wireless LAN by creating a wireless workplace network.

Claim 31 (Original): The system of Claim 17, wherein said communications device is configured to wirelessly connect said electronic devices by wirelessly connecting said electronic devices to said main server such that said electronic devices can share the software and hardware resources of the main server.

Claim 32 (Original): The system of Claim 17, wherein said communications device is configured to provide Internet connectivity to said electronic devices through said main server.

Claim 33 (Currently Amended): A system for managing electronic devices comprising:

main server means for providing software for managing network resources from a single point of administration;

means for wirelessly connecting a plurality of electronic devices to said main server means to create a wireless local area network (LAN);

means for managing said electronic devices using said software, wherein said electronic devices include at least one of an appliance, an environmental control device, and an entertainment device;

means for monitoring management initiating parameters and waiting for transaction requests from ~~including a sensed parameter for~~ said electronic devices;

means for determining a management action to be performed on an electronic device to be managed based on a comparison of a monitored parameter of the electronic device with at least one stored predetermined value for at least one of said management initiating

parameters, said management action being a predetermined action associated with the monitored parameter of the electronic device;

means for transmitting a management action data packet to said electronic device to be managed;

~~means for determining~~ means for receiving said management action data packet at said electronic device to be managed, said management action changing a condition of the electronic device; and

means for performing said management action at said electronic device to be managed based on said management action data packet in order to initiate the management action.

Claim 34 (Original): The system of Claim 33, further comprising means for providing an adjustable signal area for said wireless LAN.

Claim 35 (Original): The system of Claim 33, further comprising means for periodically updating information on the electronic devices connected to said wireless LAN.

Claim 36 (Original): The system of Claim 35, further comprising means for adding and dropping electronic devices from said wireless LAN as necessary.

Claim 37 (Canceled).

Claim 38 (Previously Presented): The system of Claim 33, further comprising:  
means for generating a management action report at said electronic device to be managed;



means for transmitting a report data packet including said management action report from said electronic device to be managed, said management action report containing information about whether said management action was completed by the electronic device to be managed.

Claim 39 (Currently Amended): A computer readable medium containing program instructions for execution on a main server, which when executed by the main server, cause the main server to perform steps comprising:

wirelessly connecting a plurality of electronic devices to said main server to create a wireless local area network (LAN); and

managing said electronic devices using said software, wherein said electronic devices include at least one of an appliance, an environmental control device, and an entertainment device, wherein said step of managing said electronic devices comprises:

monitoring management initiating parameters and waiting for transaction requests from ~~including a sensed parameter, for~~ said electronic devices;

determining a management action to be performed on an electronic device to be managed based on a comparison of a monitored parameter of the electronic device with at least one stored predetermined value for at least one of said management initiating parameters, said management action being a predetermined action associated with the monitored parameter of the electronic device ~~changing a condition of the electronic device;~~ and

transmitting a management action data packet to said electronic device to be managed in order to initiate the management action.

Claim 40 (Previously Presented): The computer readable medium of Claim 39, wherein said program instructions are executable on one of a desktop computer and a portable computer.

Claim 41 (Previously Presented): The computer readable medium of Claim 39, wherein said step of wirelessly connecting comprises:

- wirelessly transmitting an identification request from said main server;
- wirelessly receiving a response from responding electronic devices within the wireless range of said main server; and
- maintaining said wireless LAN including the main server and the responding electronic devices.

Claim 42 (Previously Presented): The computer readable medium of Claim 41, wherein said main server is further caused to perform a step of providing an adjustable transmission power for said main server thereby providing an adjustable signal area for said wireless LAN.

Claim 43 (Previously Presented): The computer readable medium of Claim 41, wherein said main server is further caused to perform a step of periodically updating information on the electronic devices connected to said wireless LAN.

Claim 44 (Previously Presented): The computer readable medium of Claim 43, wherein said main server is further caused to perform a step of adding and dropping electronic devices from said wireless LAN as necessary.

Claim 45 (Previously Presented): The computer readable medium of Claim 41, wherein said step of maintaining said wireless LAN comprises using a media access control (MAC) protocol.

Claim 46 (Previously Presented): The computer readable medium of Claim 39, wherein said main server is further caused to perform the steps of:

receiving said management action data packet at said electronic device to be managed; and

performing said management action at said electronic device to be managed based on said management action data packet.

Claim 47 (Previously Presented): The computer readable medium of Claim 46, wherein said main server is further caused to perform the steps of:

generating a management action report at said electronic device to be managed;

transmitting a report data packet including said management action report from said electronic device to be managed, said management action report containing information about whether said management action was completed by the electronic device to be managed.

Claim 48 (Previously Presented): The computer readable medium of Claim 39, wherein said step of wirelessly connecting a plurality of electronic devices comprises wirelessly connecting at least one of an office equipment device and a mobile terminal device to said main server.

Claim 49 (Previously Presented): The computer readable medium of Claim 39, wherein said step of creating a wireless LAN comprises creating a wireless home network.

Claim 50 (Previously Presented): The computer readable medium of Claim 39, wherein said step of creating a wireless LAN comprises creating a wireless workplace network.

Claim 51 (Previously Presented): The computer readable medium of Claim 39, wherein said step of wirelessly connecting said electronic devices comprises wirelessly connecting said electronic devices to said main server such that said electronic devices can share the software and hardware resources of the main server.

Claim 52 (Previously Presented): The computer readable medium of Claim 39, wherein said main server is further caused to perform a step of providing Internet connectivity to said electronic devices through said main server.

Claim 53 (Previously Presented): The method of Claim 1, wherein said managing comprises managing an appliance.

Claim 54 (Previously Presented): The system of Claim 17, wherein said processor is configured to manage an appliance.

Claim 55 (Previously Presented): The system of Claim 33, wherein said means for managing comprises means for managing an appliance.

Claim 56 (Previously Presented): The computer readable medium of claim 39, wherein said managing comprises managing an appliance.

Claim 57 (New): The method of Claim 1, wherein said monitoring management initiating parameters comprises monitoring at least one of a system clock and sensed parameters measured by a sensor that provides sensor data representative of the parameter.

Claim 58 (New): The system of Claim 17, wherein said processor is configured to monitor management initiating parameters by monitoring at least one of a system clock and sensed parameters measured by a sensor that provides sensor data representative of the parameter.